



Data analysis questions

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Graph this.....

- A ball rebounds one half the height from which it is dropped.
- The ball is dropped from 160 meters and keeps on bouncing.
- What is the total distance the ball will travel from the moment it is dropped to the moment it hits the floor for the fifth time?

Try this.....

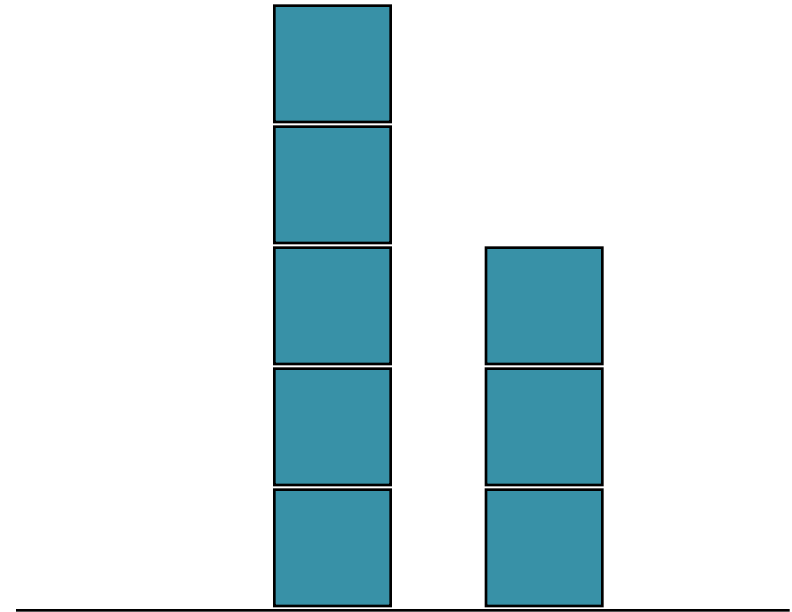
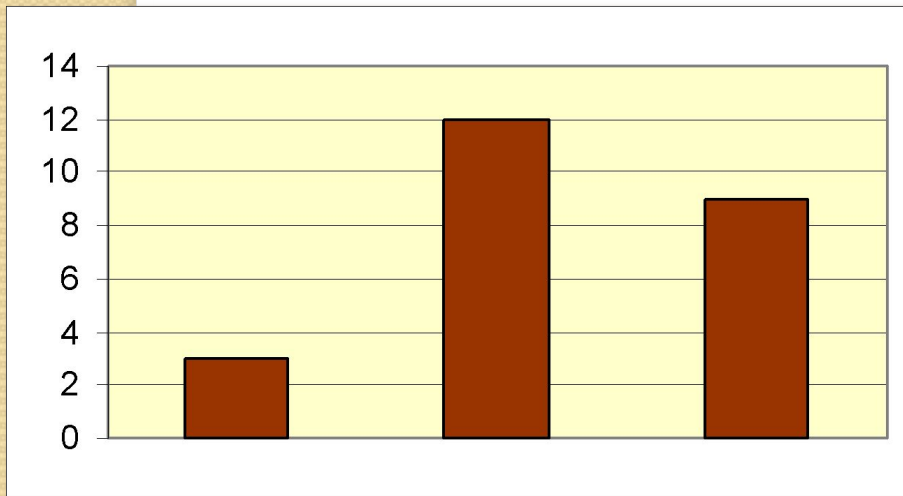
- A student left Redford with her family for a well earned vacation. They traveled 100 km per hour heading toward California.
- One hour after the student left, his teacher remembered an important homework assignment.
- She raced along the identical route on her motorcycle at a speed of 120 km per hour to catch up.
- How long did it take the teacher to catch the student?

Answer this.....

Ms. Barry wants to know how many cars drive by the school in the hour after school is out. What is the best way for her to find out? Justify your answer.

- a. Ask the teachers
- b. Stand on the street and count the cars
- c. Ask the people in the neighbourhood
- d. Call the transportation department

What could these graphs represent?



Try this.....

A graph showed that among a class of children the most popular footwear was runners. The next most popular was boots. The next was sandals and least popular was flip flops. What might the graph look like?

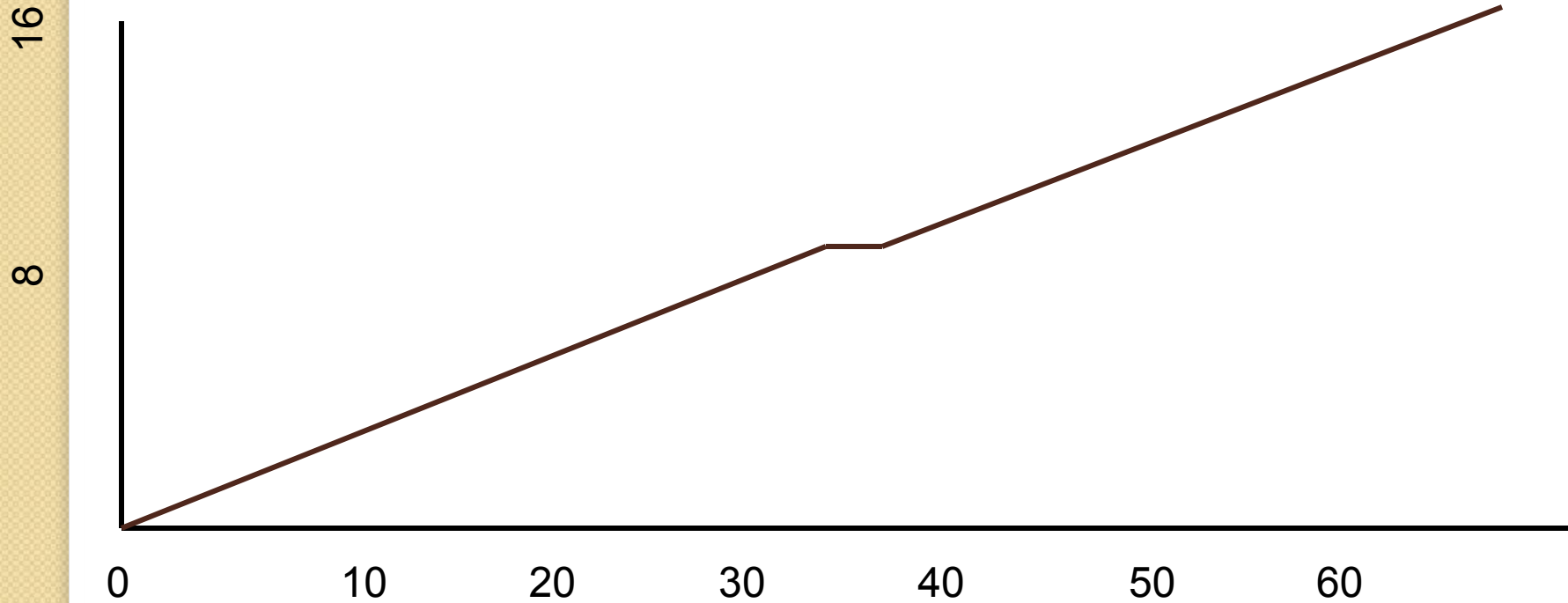
(This question allow children to interpret the data in their own way. Look for those who display data using many-to-one correspondence.)

From: Good Questions for Math Teaching: Why Ask Them and What to Ask K-6 by Sullivan and Lilburn

A Problem

In a walking experiment, Josephine walked a total distance of 16 meters. At the halfway point, she had walked for 25 seconds. She stopped for 5 seconds to tie her shoe and then continued walking for 25 more seconds to complete the remaining distance. Sketch a graph that shows Josephine's distance from the starting point over time.

One possibility....



Create a story

At noon, Tony started walking to his grandmother's house. He arrived at her house at 3:00 pm. The graph below shows Tony's speed in kilometers per hour throughout his walk. Create a story that describes what Tony might have been doing.

